

OCT 29 1971

College of Physicians & Surgeons of Columbia University | New York, N.Y. 10032

DEPARTMENT OF BIOCHEMISTRY

630 West 168th Street

October 27, 1971

Dr. Joshua Lederberg
Department of Genetics
Stanford University Medical School
Stanford, California 94305

Dear Josh,

When you sent us a copy of your article in the Washington Post on "A Cloud of Questions Hovers Around Carbon Monoxide", you raised the question (see enclosed Xerox) of the relative effect of DPG on the affinity of hemoglobin for oxygen and carbon monoxide and asked us if we were looking into this.

We have now found that DPG does not alter the ratio of the affinity of hemoglobin for the two gases and that it, therefore, lowers carbon monoxide binding by hemoglobin as it does oxygen binding. In addition, we have investigated the previous claim that fetal hemoglobin binds carbon monoxide more weakly than adult hemoglobin, but our results do not confirm this.

In view of your previous interest in this matter, we are enclosing a manuscript which describes this work and would like to ask if you would submit it to PNAS for publication.

With best regards.

Sincerely yours,

Reinhold Benesch

Reinhold Benesch, Ph. D.
Professor of Biochemistry

RB md

refers to SAM/153.

*11 Engel Bond 33:37
They send blood.*

THE BENESCH, R.

